FIGURE 1A

```
MGIQGLAKLIADVAPSAIRENDIKSYFGRKVAIDASMSI
YQFLIAVRQGGDVLQNEEGETTSHLMGMFYRTIRMMENG
IKPVYVFDGKPPQLKSGELAKRSERRAEAEKQLQQAQAA
GAEQEVEKFTKRLVKVTKQHNDECKHLLSLMGIPYLDAP
SEAEASCAALVKAGKVYAAATEDMDCLTFGSPVLMRHLT
ASEAKKLPIQEFHLSRILQELGLNQEQFVDLCILLGSDY
CESIRGIGPKRAVDLIQKHKSIEEIVRRLDPNKYPVPEN
WLHKEAHQLFLEPEVLDPESVELKWSEPNEEELIKFMCG
EKQFSEERIRSGVKRLSKSRQGSTQGRLDDFFKVTGSLS
SAKRKEPEPKGSTKKKAKTGAAGKFKRGK
```

FIGURE 1B

```
ATGGGAATTC AAGGCCTGGC CAAACTAATT GCTGATGTGG CCCCCAGTGC CATCCGGGAG
AATGACATCA AGAGCTACTT TGGCCGTAAG GTGGCCATTG ATGCCTCTAT GAGCATTTAT
CAGTTCCTGA TTGCTGTTCG CCAGGGTGGG GATGTGCTGC AGAATGAGGA GGGTGAGACC
ACCAGCCACC TGATGGGCAT GTTCTACCGC ACCATTCGCA TGATGGAGAA CGGCATCAAG
CCCGTGTATG TCTTTGATGG CAAGCCGCCA CAGCTCAAGT CAGGCGAGCT GGCCAAACGC
AGTGAGCGGC GGGCTGAGGC AGAGAAGCAG CTGCAGCAGG CTCAGGCTGC TGGGGCCGAG
CAGGAGGTGG AAAAATTCAC TAAGCGGCTG GTGAAGGTCA CTAAGCAGCA CAATGATGAG
TGCAAACATC TGCTGAGCCT CATGGGCATC CCTTATCTTG ATGCACCCAG TGAGGCAGAG
GCCAGCTGTG CTGCCCTGGT GAAGGCTGGC AAAGTCTATG CTGCGGCTAC CGAGGACATG
GACTGCCTCA CCTTCGGCAG CCCTGTGCTA ATGCGACACC TGACTGCCAG TGAAGCCAAA
AAGCTGCCAA TCCAGGAATT CCACCTGAGC CGGATTCTGC AGGAGCTGGG CCTGAACCAG
GAACAGTTTG TGGATCTGTG CATCCTGCTA GGCAGTGACT ACTGTGAGAG TATCCGGGGT
ATTGGGCCCA AGCGGGCTGT GGACCTCATC CAGAAGCACA AGAGCATCGA GGAGATCGTG
CGGCGACTTG ACCCCAACAA GTACCCTGTG CCAGAAAATT GGCTCCACAA GGAGGCTCAC
CAGCTCTTCT TGGAACCTGA GGTGCTGGAC CCAGAGTCTG TGGAGCTGAA GTGGAGCGAG
CCAAATGAAG AAGAGCTGAT CAAGTTCATG TGTGGTGAAA AGCAGTTCTC TGAGGAGCGA
ATCCGCAGTG GGGTCAAGAG GCTGAGTAAG AGCCGCCAAG GCAGCACCCA GGGCCGCCTG
GATGATTTCT TCAAGGTGAC CGGCTCACTC TCTTCAGCTA AGCGCAAGGA GCCAGAACCC
AAGGGATCCA CTAAGAAGAA GGCAAAGACT GGGGCAGCAG GGAAGTTTAA AAGGGGAAAA
TAAA
```

FIGURE 2A

MGIHGLAKLIADVAPSAIRENDIKSYFGRKVAIDASMSIY
QFLIAVRQGGDVLQNEEGETTSLMGMFYRTIRMENGIKPV
YVFDGKPPQLKSGELAKRSERRAEAEKQLQQAQEAGMEEE
VEKFTKRLVKVTKQHNDECKHLLSLMGIPYLDAPSEAEAS
CAALAKAGKVYAAATEDMDCLTFGSPVLMRHLTASEAKKL
PIQEFHLSRVLQELGLNQEQFVDLCILLGSDYCESIRGIG
AKRAVDLIQKHKSIEEIVRRLDPSKYPVPENWLHKEAQQL
FLEPEVVDPESVELKWSEPNEEELVKFMCGEKQFSEERIR
SGVKRLSKSRQGSTQGRLDDFFKVTGSLSSAKRKEPEPKG
PAKKKAKTGGAGKFRRGK

FIGURE 2B

ATGGGAATTC ACGGCCTTGC CAAACTAATT GCTGATGTGG CCCCCAGTGC CATCCGTGAG
AATGACATCA AGAGCTACTT TGGTCGTAAA GTGGCCATCG ATGCCTCCAT GAGCATCTAC
CAGTTCCTGA TTGCTGTTCG TCAGGGTGGG GATGTGCTGC AGAACGAGGA GGGTGAGACC
ACCAGCCTGA TGGGCATGTT ATGGCAAACC ATCCGCATGG AGAATGGCAT CAAGCCTGTG
TACGTCTTTG ATGGCAAACC ACCACAGCTG AAGTCAGGCG AGCTGGCCAA GCGCAGTGAG
AGGCGCGCCG AGGCTGAGAA GCAACTGCAG CAGGCTCAGG AGGCTGGGAT GGAGGAGGAG
GTGGAGAAGT TCACCAAGAG GCTCGTGAAG GTCACCAAGC AACACAATGA TGAGTGCAAA
CACCTCGTGA GCCTCATGGG CATCCCTTAC CTTGATGCAC CCAGCGAGGC AGAGGCCAGC
TGTGCTGCCC TGGCAAAGGC TGGCAAAGTC TATGCTGCGG CCACGGAGGA CATGGACTGC
CTCACTTTTG GCAGCCCCGT GCTAATGCGA CACTTAACTG CCAGTGAGGC CAAGAAGCTG
CCCATCCAAG AGTTCCATCT GAGCCGCGTC CTGCAGGAGC TGGGTCTGAA CCAGGAGCAG
TTTGTGGATC TGTGCATCCT GCTGGGTAGC GACTACTGCG AGAGCATCCG TGGCATTGGC
GCCAAGCGGG CTGTGGATCT CATCCAGAAA CATAAGAGCA TCGAGGAGAT CGTGAGGCGG
CTGGACCCCA GCAAGTACCC CGTTCCAGAG AACTGGCTCC ACAAGGAAGC CCAGCAGCTC
TTCCTGGAGC CAGAAGTAGT GGACCCAGAG TCTGTGGAGC TGAAGTGGAG CGAGCCAAAT
GAAGAAGAGT TGGTCAAATT TATGTGTGGT GAAAAGCAGT TTTCTGAAGA GCGAATTCGC
AGTGGGGTCA AGCGGCTGAG TAAGAGCCGC CAGGGCAGCA CCCAGGGACG CCTCGATGAT
TTCTTCAAGG TGACAGGCTC ACTCTCCTCA GCTAAGCGCA AGGAGCCAGA ACCCAAGGGG
CCTGCTAAGA AGAAAGCAAA GACTGGGGGA GCGGGGAAGT TCCGAAGGGG AAAATAAACC
TGTCCTTCCC CTCCACTGTC CTTGACCCCA GGCTGTCTAT CTGTTTTGTA CCCTGCGCTG
CAGCACATCC CTCTTGTCCC TCGTCTTGAG GAGAGTTCAT TGCTTCCAGC GCTCGCCTTC
AGAGCTTTCC CTCTCTTGAC CCTGTGGCAG GAAGGCCGTA GCTCTGCTTT TTCTCATTTT
TAGCTCAGGA AAGATGTCAG GCTCAAACCA CTTCTCAGGT TAATGGACAC TGTAGTCATT
GTTCTGTGCA ACTGCGAGCA ATGTCTTAAG GAAGAAGAAG ATAAAGCCGG GAGCGAGGCT
GGAGATAGTT TCCCAGCTGG CCAGCTGGTG GAGGAGAGGT GACTAGAACC TGACTGACTA
CTGCTCCTTC TAATTTCACT GTCCCTGAAA GATGCCCATC AGCCTGGGAT TCGCTGATGG
AAGAACTGCA AAGAGACGCA GCAGAGAGAA GTCTGGCTGA CAACAGATTT AGTACTGACC
AGCTGATTTT TGTGGGCAGA AATTTGAACT TGCTGCCTGC TGAGTCCAGT AGTTGTGCAG
GGAGTGAGAT GGCAGTGTTT AAGTTTTGAT TTGTAGTTTT TTGTTTTTGT CTCTCCCCTC
TCCAGTGTTG GGGATTGACC CCAGGGCAAA GGCATTAAGT GTGCCACTGA CCTGTGCCTC
CAAGTGATGT TCTGACAGCC TTTCTGAGGC AATCAATTGA ATTGAGGTTT TGGGAGAAGA
AACTGTTGTT CATAGGCTAT TTCTATTTTA AAAGATGTGA AGAGAAAAAA AAAACAATAA
AATTATAAAA

FIGURE 3A

MGIKGLNAIISEHVPSAIRKSDIKSFFGRKVAIDASMSLYQ
FLIAVRQQDGGQLTNEAGETTSHLMGMFYRTLRMIDNGIKP
CYVFDGKPPDLKSHELTKRSSRRVETEKKLAEATTELEKMK
QERRLVKVSKEHNEEAQKLLGLMGIPYIIAPTEAEAQCAEL
AKKGKVYAAASEDMDTLCYRTPFLLRHLTFSEAKKEPIHEI
DTELVLRGLDLTIEQFVDLCIMLGCDYCESIRGVGPVTALK
LIKTHGSIEKIVEFIESGESNNTKWKIPEDWPYKQARMLFL
DPEVIDGNEINLKWSPPKEKELIEYLCDDKKFSEERVKSGI
SRLKKGLKSGIQGRLDGFFQVVPKTKEQLAAAAKRAQENKK
LNKNKNKVTKGR

FIGURE 3B

ATGGGTATTA AAGGTTTGAA TGCAATTATA TCGGAACATG TTCCCTCTGC TATCAGGAAA
AGCGATATCA AGAGCTTTTT TGGCAGAAAG GTTGCCATCG ATGCCTCTAT GTCTCTATAT
CAGTTTTTAA TTGCTGTAAG ACAGCAAGAC GGTGGGCAGT TGACCAATGA AGCCGGTGAA
ACAACGTCAC ACTTGATGGG TATGTTTTAT AGGACACTGA GAATGATTGA TAACGGTATC
AAGCCTTGTT ATGTCTTCGA CGGCAAACCT CCAGCTTTGA AATCTCATGA GTTGACAAAG
CGGTCTTCAA GAAGGGTGGA AACAGAAAAA AAACTGGCAG AGGCAACAAC AGAATTGGAA
AAGATGAAGC AAGAAAGAAG ATTGTTGAAG GTCTCAAAAG AGCATAATGA AGAAGCCCAA
AAATTACTAG GACTAATGGG AATCCCATAT ATAATAGCGC CAACGGAAGC TGAGGCTCAA
TGTGCTGAGT TGGCAAAGAA GGGAAAGGTG TATGCCGCAG CAAGTGAAGA TATGGACACA
CTCTGTTATA GAACACCCTT CTTGTTGAGA CATTTGACTT TTTCAGAGGC CAAGAAGGAA
CCGATTCACG AAATAGATAC TGAATTAGTT TTGAGAGGAC TCGACTTGAC AATAGAGCAG
TTTGTTGATC TTTGCATAAT GCTTGGTTGT GACTACTGTG AAAGCATCAG AGGTGTTGGT
CCAGTGACAG CCTTAAAATT GATAAAAACG CATGGATCCA TCGAAAAAAT CGTGGAGTTT
ATTGAATCTG GGGAGTCAAA CAACACTAAA TGGAAAATCC CAGAAGACTG GCCTTACAAA
CAAGCAAGAA TGCTGTTTCT TGACCCTGAA GTTATAGATG GTAACGAAAT AAACTTGAAA
TGGTCGCCAC CAAAGGAGAA GGAACTTATC GAGTATTTAT GTGATGATAA GAAATTCAGT
GAAGAAAGAG TTAAATCTGG TATATCAAGA TTGAAAAAAG GCTTGAAATC TGGCATTCAG
GGTAGGTTAG ATGGGTTCTT CCAAGTGGTG CCTAAGACAA AGGAACAGCT GGCTGCTGCG
GCGAAAAGAG CACAAGAAAA TAAAAAATTG AACAAAAATA AGAATAAAGT CACAAAGGGA
AGAAGATGA

FIGURE 4A

MGVHSFWDIAGPTARPVRLESLEDKRMAVDASIWIYQFLKA
VRDQEGNAVKNSHITGFFRRICKLLYFGIRPVFVFDGGVPV
LKRETIRQRKERRQGKRESAKSTARKLQQQMKDKRDSDEVT
MDMIKEVQELLSRFGIPYITAPMEAEAQCAELLQLNLVDGI
ITDDSDVFLFGGTKIYKNMFHEKNYVEFYDAESILKLLGLD
RKNMIELAQLLGSDYTNGLKGMGPVSSIEVIAEFGNLKNFK
DWYNNGQFDKRKQETENKFEKDLRKKLVNNEIILDDDFPSV
MVYDAYMRPEVDHDTTPFVWGVPDLDMLRSFMKTQLGWPHE
KSDEILIPLIRDVNKRKKKGKQKRINEFFPREYISGDKKLN
TSKRISTATGKLKKRKM

FIGURE 4B

```
ATGGGTGTGC ATTCATTTTG GGATATTGCA GGTCCTACGG CAAGACCGGT CAGGCTGGAA
TCCTTGGAAG ATAAGAGAAT GGCAGTAGAT GCCTCCATTT GGATATATCA GTTTTTGAAA
GCTGTCCGTG ATCAGGAGGG GAATGCAGTG AAGAATTCTC ATATTACTGG GTTCTTTAGA
AGAATTTGTA AGCTATTATA CTTTGGCATT AGGCCGGTAT TCGTCTTTGA TGGTGGTGTG
CCCGTATTGA AAAGGGAAAC AATACGGCAG AGGAAAGAAA GAAGACAGGG AAAACGAGAG
AGTGCGAAAT CCACCGCTAG GAAGCTGCAA CAACAGATGA AGGATAAAAG AGATTCGGAT
GAGGTAACTA TGGATATGAT CAAAGAAGTG CAAGAATTAC TATCGAGGTT TGGAATCCCC
TATATCACTG CGCCTATGGA AGCTGAAGCA CAGTGTGCGG AATTGTTACA ACTAAACCTT
GTCGATGGTA TAATTACCGA TGACAGTGAT GTTTTCCTAT TTGGAGGTAC AAAGATCTAC
AAAAATATGT TCCACGAAAA GAACTATGTT GAATTTTATG ATGCGGAATC TATTTTAAAA
TTATTGGGCT TGGATAGAAA GAATATGATT GAGTTGGCAC AGCTTTTAGG GAGCGATTAC
ACGAATGGAT TGAAGGGTAT GGGTCCCGTT TCAAGCATTG AAGTGATTGC AGAATTTGGA
AACCTAAAAA ATTTTAAAGA CTGGTATAAT AATGGGCAGT TTGATAAACG TAAGCAAGAA
ACGGAAAATA AATTTGAAAA AGACCTGAGA AAAAAACTGG TAAATAACGA AATTATCTTA
GATGATGATT TTCCTAGCGT CATGGTTTAT GATGCGTATA TGAGACCAGA AGTCGATCAC
GATACCACGC CGTTTGTTTG GGGGGTACCA GATCTCGATA TGCTTCGTTC ATTCATGAAG
ACTCAACTAG GTTGGCCACA CGAAAAGTCT GATGAAATTC TCATTCCCTT AATTAGAGAT
GTTAATAAAC GCAAAAAGAA GGGGAAGCAA AAAAGGATTA ATGAATTTTT TCCAAGGGAG
TACATATCTG GTGATAAGAA GCTCAATACA AGTAAGAGAA TTTCAACCGC AACAGGTAAA
CTAAAGAAAA GAAAGATGTA A
```

```
TCGCGGAAGCTGTGAAAGCGGCAGACGGAACAGCACCGGGCTAGCCCGGCTTTGGCCATTCTGCTCCGAACATTCCTATTGTTGCCATTGCTCCTGTGCTACC

ATG GGA ATT CAC GGC CTT GCC AAA CTA ATT GCT GAT GTG GCC CCC AGT GCC ATC CGT GAG AAT GAC ATC AAG AGC TAC
M   G   I   H   G   L   A   K   L   I   A   D   V   A   P   S   A   I   K   S   Y   F   G   R   K   V

TTT GGT CGC AAA GTG GCC ATC GAT GCC TCC ATG AGC ATC TAC CAG TTC CTG ATT GCT GTT CGT CAG GGT GGG GAT GTG
A   I   D   A   S   R   E   N   D   I   M   S   I   Y   Q   F   L   I   A   V   R   Q   G   G   D   V

CTG CAG AAC GAG GAG GGT GAG ACC ACC AGC CTG ATG GGC ATG TTC TAC CGT ACC ATC CGC ATG GAG AAT GGC ATC AAG
L   Q   N   E   E   G   E   T   T   S   L   M   G   M   F   Y   R   T   I   R   M   E   N   G   I   K

CCT GTG TAC GTC TTT GAT GGC AAA CCA CCA CAG CTG AAG TCA GGC GAG CTG GCC AAG CGC AGT GAG AGG CGC GCC GAG
P   V   Y   V   F   D   G   K   P   P   Q   L   K   S   G   E   L   A   K   R   S   E   R   R   A   E

GCT GAG AAG CAA CTG CAG CAG GCT CAG GAG GCT GGG ATG GAG GAG GAG GTG GAG AAG TTC ACC AAG AGG CTC GTG AAG
A   E   K   Q   L   Q   Q   A   Q   E   A   G   M   E   E   E   V   E   K   F   T   K   R   L   V   K

GTC ACC AAG CAA CAC AAT GAT GAG TGC AAA CAC CTG CTG AGC CTC ATG GGC ATC CCT TAC CTT GAT GCA CCC AGC GAG
V   T   K   Q   H   N   D   E   C   K   H   L   L   S   L   M   G   I   P   Y   L   D   A   P   S   E

GCA GAG GCC AGC TGT GCT GCC CTG GCA AAG GCT GGC AAA GTC TAT GCT GCG GCC ACG GAG GAC ATG GAC TGC CTC ACT
A   E   A   S   C   A   A   L   A   K   A   G   K   V   Y   A   A   A   T   E   D   M   D   C   L   T

TTT GGC AGC CCC GTG CTA ATG CGA CAC TTA ACT GCC AGT GAG GCC AAG AAG CTG CCC ATC CAA GAG TTC CAT CTG AGC
F   G   S   P   V   L   M   R   H   L   T   A   S   E   A   K   K   L   P   I   Q   E   F   H   L   S

CGC GTC CTG CAG GAG CTG GGT CTG AAC CAG GAG CAG TTT GTG GAT CTG TGC ATC CTG CTG GGT AGC GAC TAC TGC GAG
R   V   L   Q   E   L   G   L   N   Q   E   Q   F   V   D   L   C   I   L   L   G   S   D   Y   C   E

AGC ATC CGT GGC ATT GGC GCC AAG CGG GCT GTG GAT CTC ATC CAG AAA CAT AAG AGC ATC GAG GAG ATC GTG AGG CGG
S   I   R   G   I   G   A   K   R   A   V   D   L   I   Q   K   H   K   S   I   E   E   I   V   R   R

CTG GAC CCC AGC AAG TAC CCC GTT CCA GAG AAC TGG CTC CAC AAG GAA GCC CAG CAG CTC TTC CTG GAG CCA GAA GTA
L   D   P   S   K   Y   P   V   P   E   N   W   L   H   K   E   A   Q   Q   L   F   L   E   P   E   V
```

FIG. 5A

```
GTG GAC CCA GAG TCT GTG GAG CTG AAG TGG AGC GAG CCA AAT GAA GAA GAG TTG GTC AAA TTT ATG TGT GGT GAA AAG
V   D   P   E   S   V   E   L   K   W   S   E   P   N   E   E   E   L   V   K   F   M   C   G   E   K

CAG TTT TCT GAA GAG CGA ATT CGC AGT GGG GTC AAG CGG CTG AGT AAG AGC CGC CAG GGC AGC ACC CAG GGA CGC CTC
Q   F   S   E   E   R   I   R   S   G   V   K   R   L   S   K   S   R   Q   G   S   T   Q   G   R   L

GAT GAT TTC TTC AAG GTG ACA GGC TCA CTC TCC TCA GCT AAG CGC AAG GAG CCA GAA CCC AAG GGG CCT GCT AAG AAG
D   D   F   F   K   V   T   G   S   L   S   S   A   K   R   K   E   P   E   P   K   G   P   A   K   K

AAA GCA AAG ACT GGG GGA GCG GGG AAG TTC CGA AGG GGA AAA TAA ACC TGT CCT TCC CCT CCA CTG TCC TTG ACC CCA
K   A   K   T   G   G   A   G   K   F   R   R   G   K   *

GGC TGT CTA TCT GTT TTG TAC CCT CGG CTG CAG CAC ATC CCT CTT GTC CCT CGT CTT GAG GAG AGT TCA TTG CTT CCA

GCG CTG CCC TTC AGA GCT TTC CCT CTC TTG ACC CTG TGG CAG GAA GGC CGT AGC TCT GCT TTT TCT CAT TTT TAG CTC

AGG AAA GAT GTC AGG CTC AAA CCA CTT CTC AGG TTA ATG GAC ACT GTA GTC ATT GTT CTG TGC AAC TGC GAG CAA TGT

CTT AAG GAA GAA GAA GAT AAA GCC GGG AGC GAG GCT GGA GAT AGT TTC CCA GCT GGC CAG CTG GTG GAG GAG AGG TGA

CTA GAA CCT GAC TGA CTA CTG CTC CTT CTA ATT TCA CTG TCC CTG AAA GAT GCC CAT CAG CCT GGG ATT CGC TGA TGG

AAG AAC TGC AAA GAG ACG CAG CAG AGA GAA GTC TGG CTG ACA ACA GAT TTA GTA CTG ACC AGC TGA TTT TTG TGG GCA

GAA ATT TGA ACT TGC TGC CTG CTG AGT CCA GTA GTT GTG CAG GGA GTG AGA TGG CAG TGT TTA AGT TTT GAT TTG TAG

TTT TTT GTT TTT GTC TCT CCC CTC TCC AGT GTT GGG GAT TGA CCC CAG GGC AAA GGC ATT AAG TGT GCC ACT GAC CTG

TGC CTC CAA GTG ATG TTC TGA CAG CCT TTC TGA GGC AAT CAA TTG AAT TGA GGT TTT GGG AGA AGA AAC TGT TGT TCA

TAG GCT ATT TCT ATT TTA AAA GAT GTG AAG AGA AAA AAA AAA CAA TAA AAT TAT AAA A
```

FIG. 5B

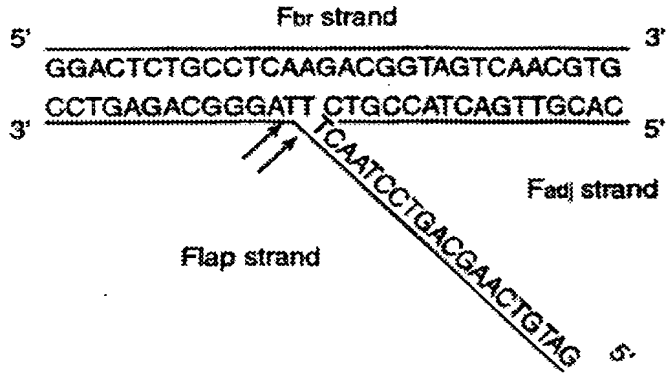


FIG. 6

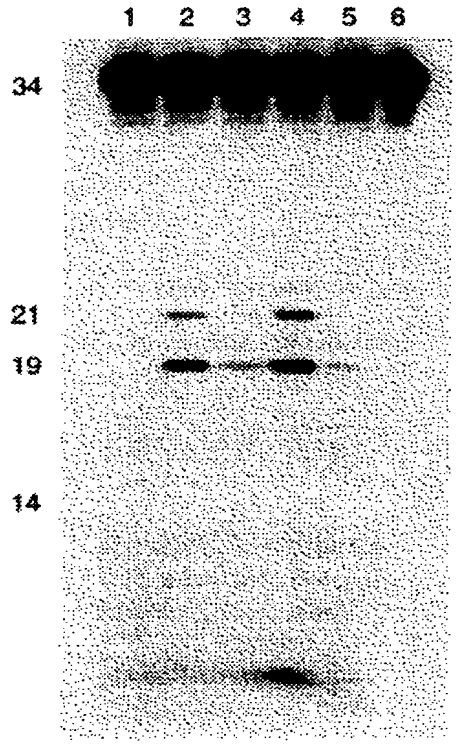
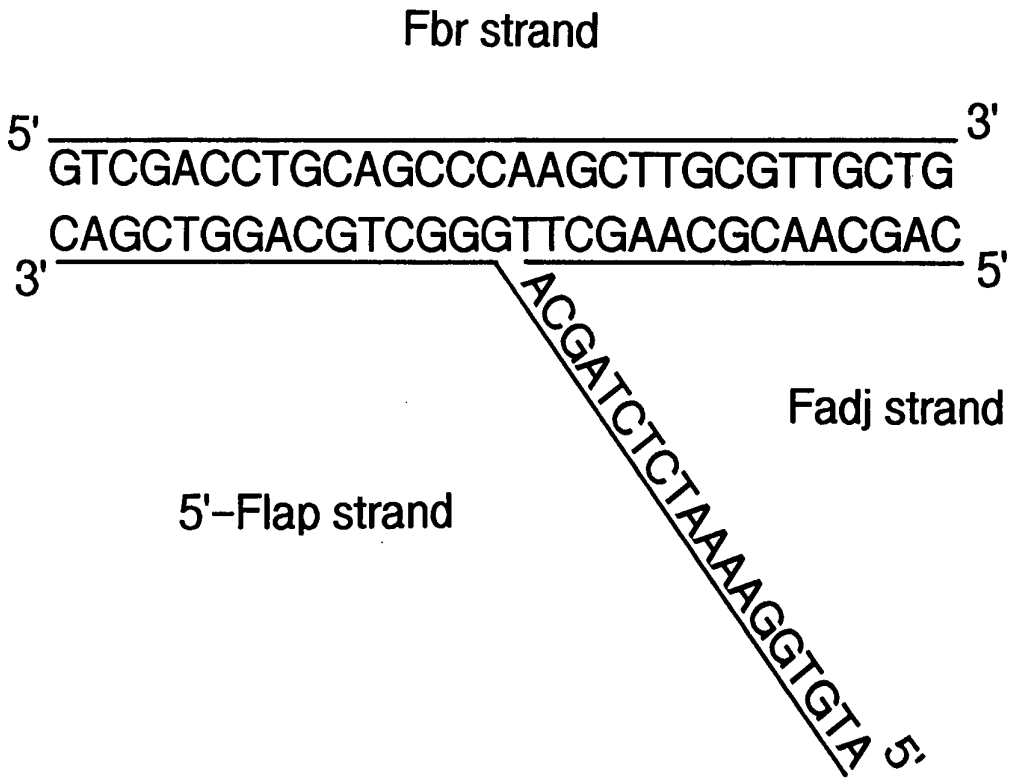
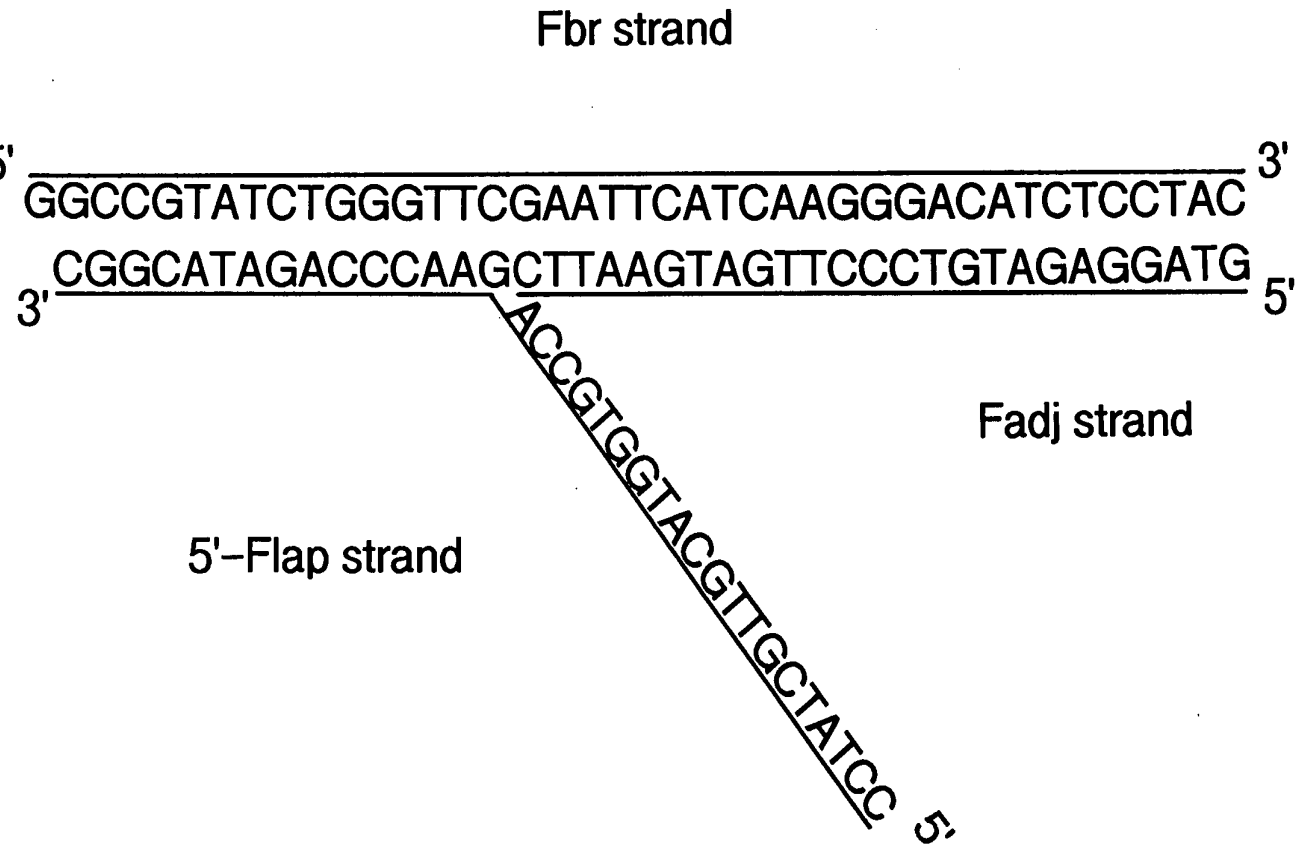


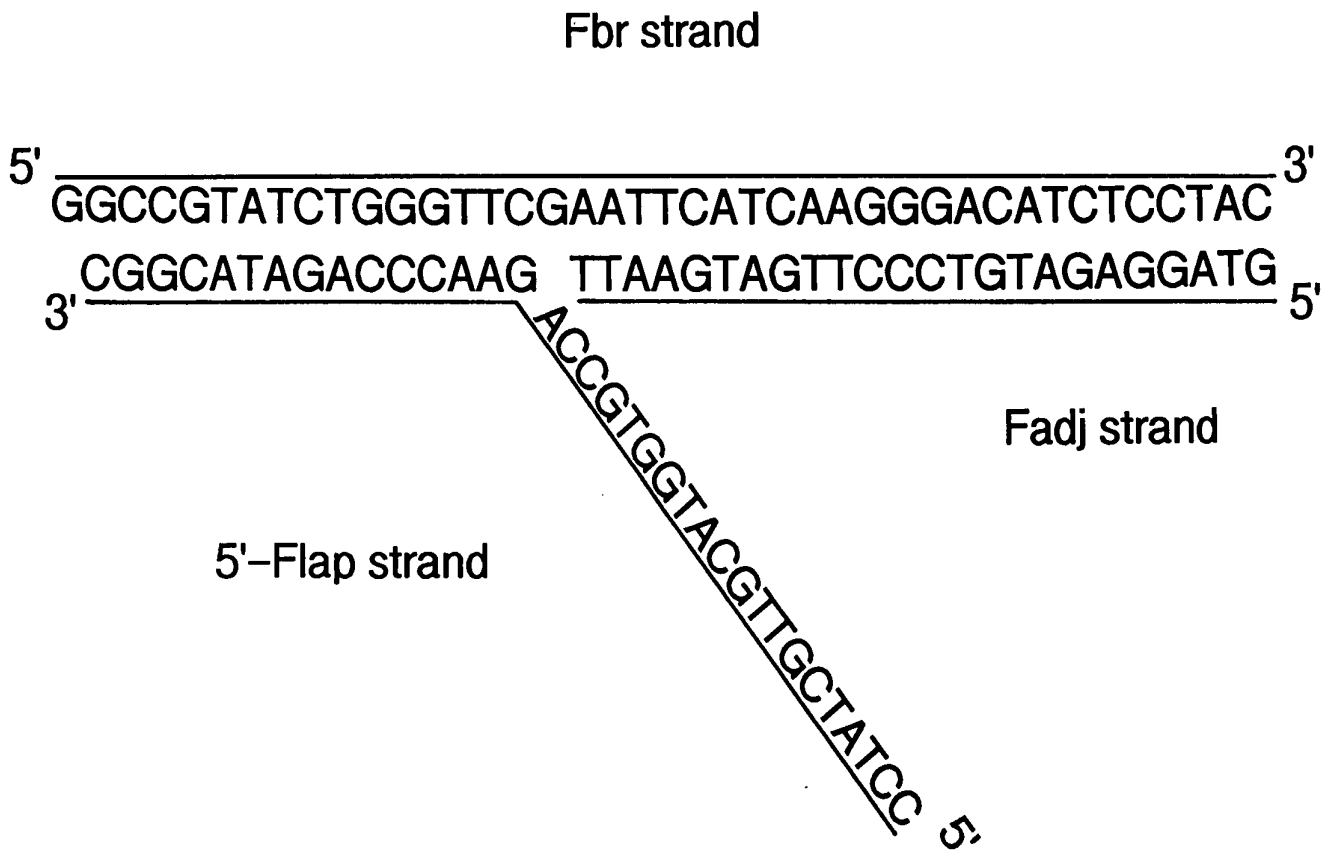
FIG. 7



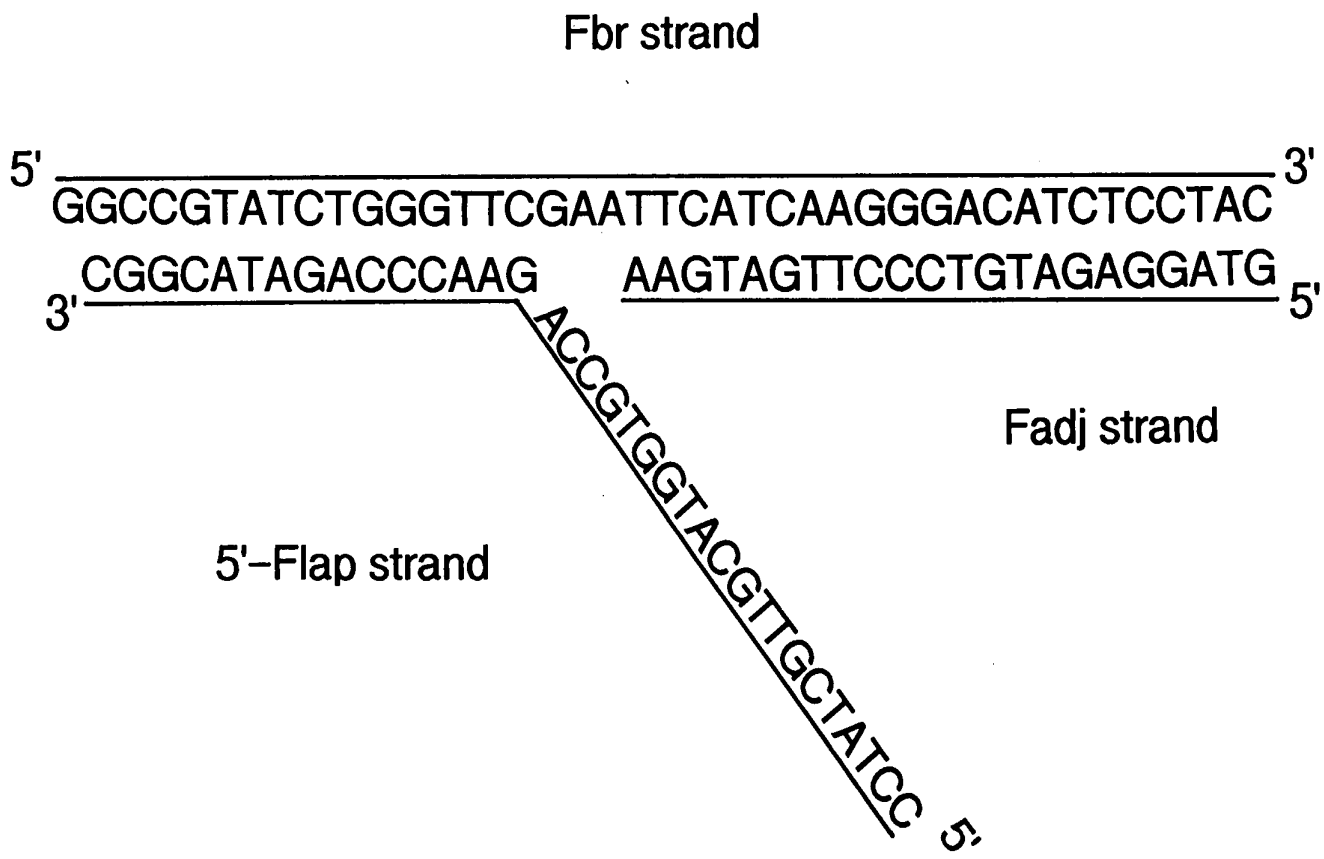
NEW FIG. 8


Fbr strand
5'
3'
GGCCGTATCTGGGTTCGAATTCATCAAGGGACATCTCCTAC
3'
CGGCATAGACCCAAGCTTAAGTAGTTCCCTGTAGAGGATG
5'
ACCGTGGTACGTTGCTATCC
5'
Fadj strand
5'-Flap strand

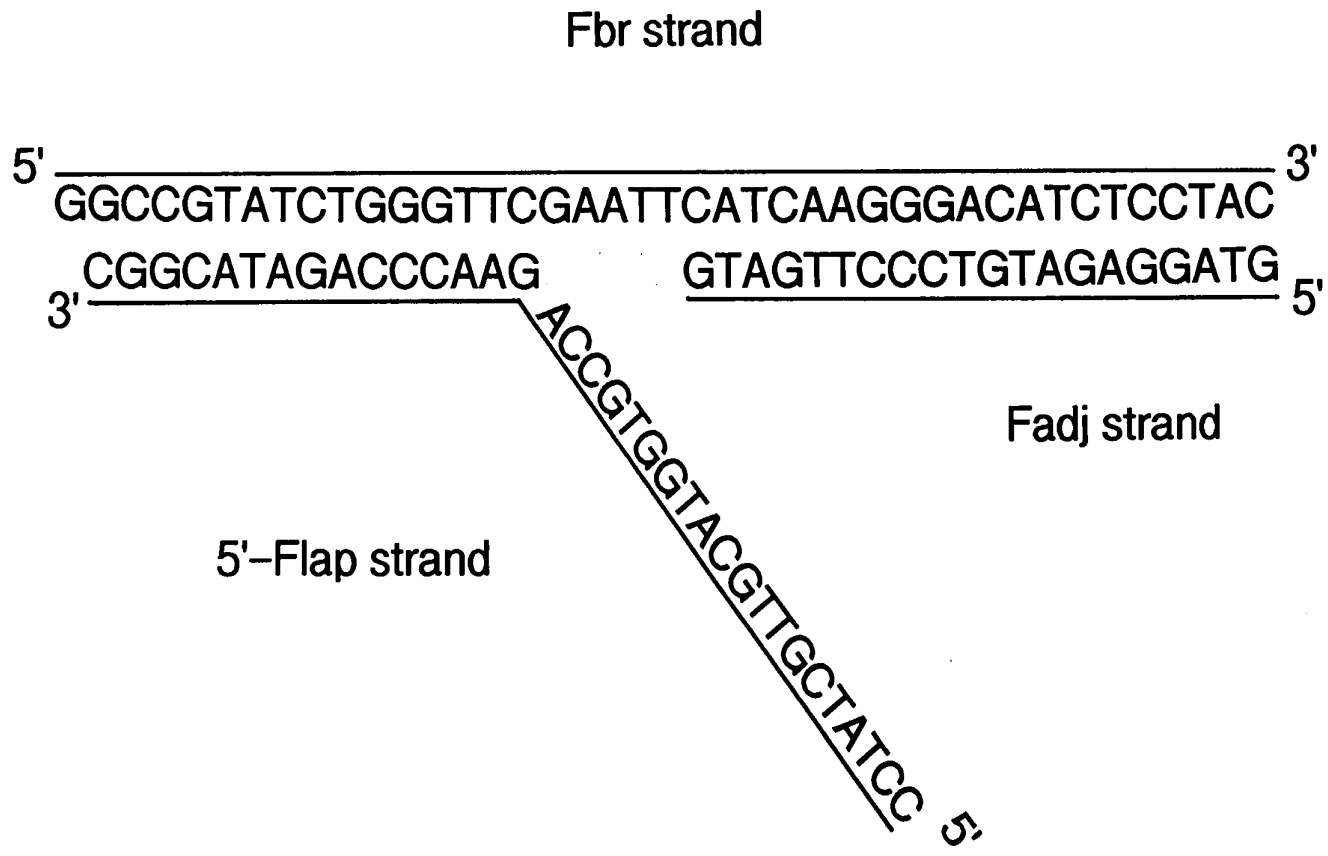
NEW FIG. 9A


Fbr strand
5'
3'
GGCCGTATCTGGGTTCGAATTCATCAAGGGACATCTCCTAC
3'
CGGCATAGACCCAAG TTAAGTAGTTCCCTGTAGAGGATG
5'
ACCGTGGTACGTTGCTATCC 5'
Fadj strand
5'–Flap strand

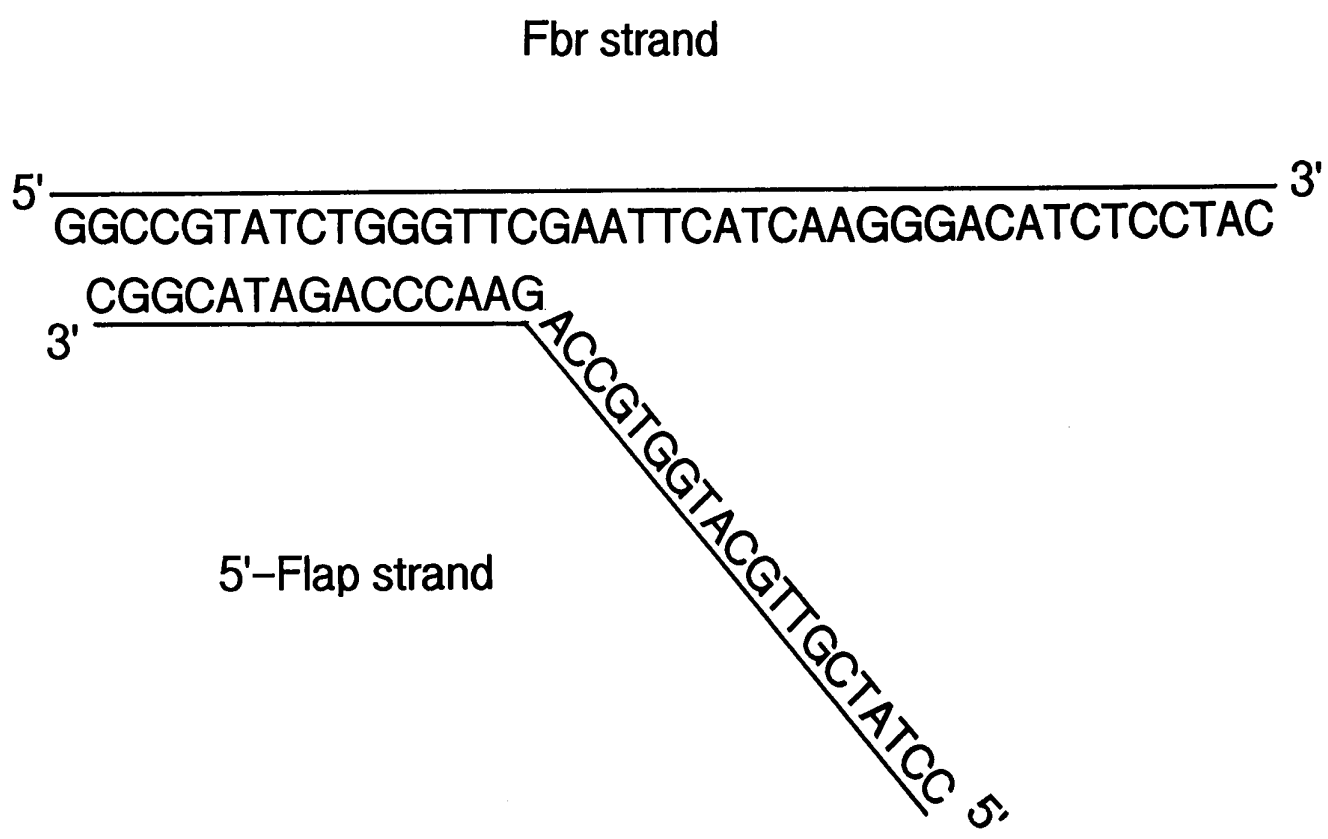
NEW FIG. 9B


Fbr strand
5'
3'
GGCCGTATCTGGGTTCGAATTCATCAAGGGACATCTCCTAC
3'
CGGCATAGACCCAAG
AAGTAGTTCCCTGTAGAGGATG
5'
ACCGTGGTACGTTGCTATCC
5'
Fadj strand
5'-Flap strand

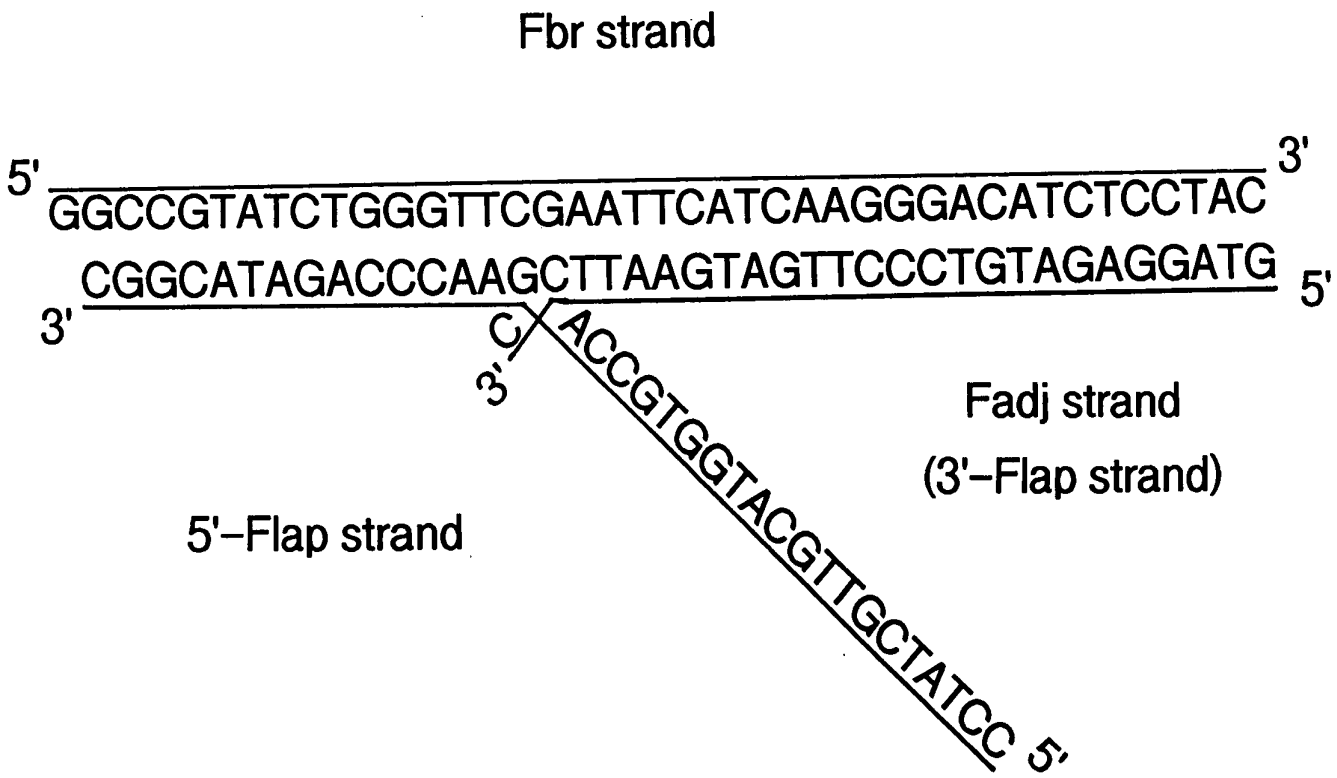
NEW FIG. 9C


Fbr strand
5'
3'
GGCCGTATCTGGGTTCGAATTCATCAAGGGACATCTCCTAC
3'
CGGCATAGACCCAAG
GTAGTTCCCTGTAGAGGATG
5'
ACCGTGGTACGTTGCTATCC
5'
Fadj strand
5'–Flap strand

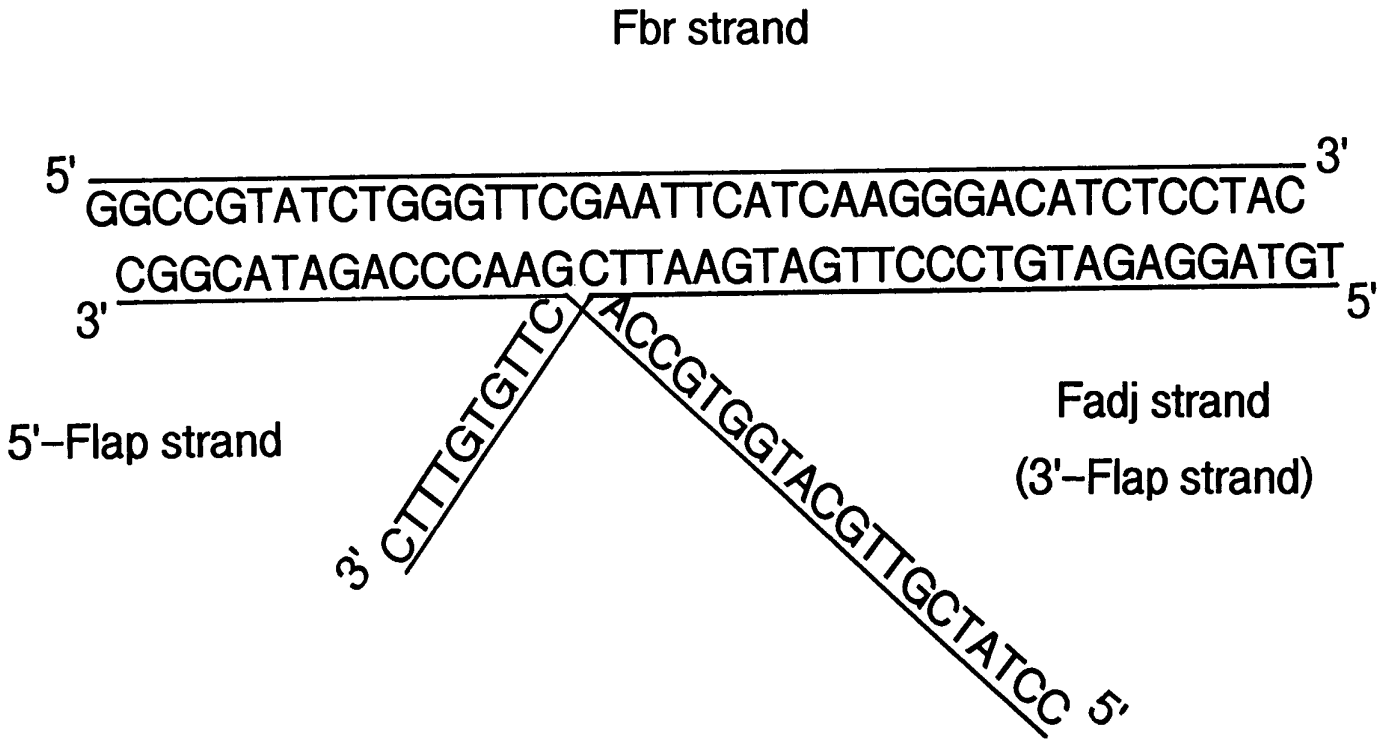
NEW FIG. 9D



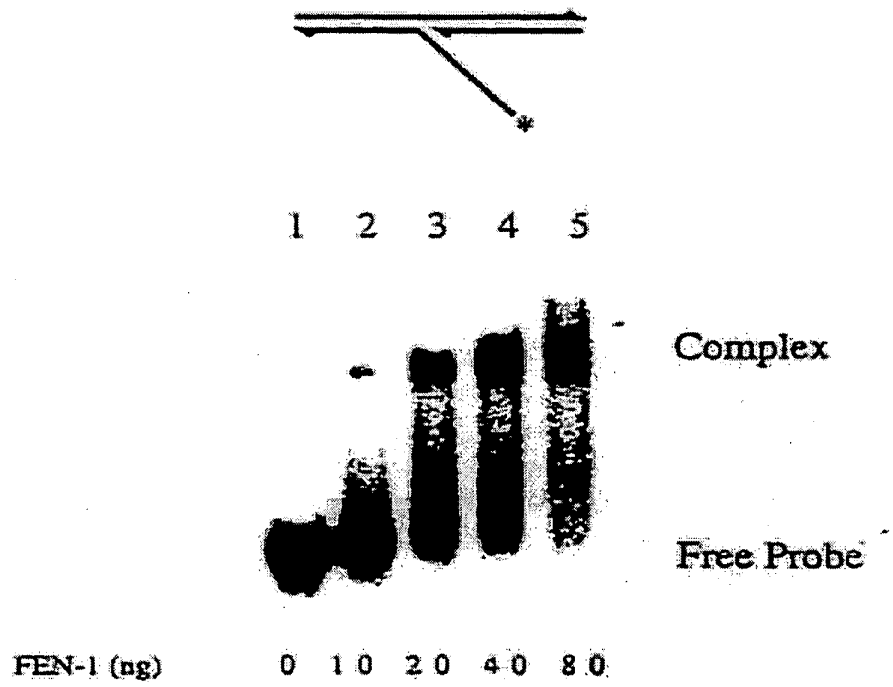
NEW FIG. 10


Fbr strand
5'
3'
GGCCGTATCTGGGTTCGAATTCATCAAGGGACATCTCCTAC
CGGCATAGACCCAAGCTTAAGTAGTTCCCTGTAGAGGATG
3'
5'
3'
ACCGTGGTACGTTGCTATCC 5'
Fadj strand
(3'–Flap strand)
5'–Flap strand

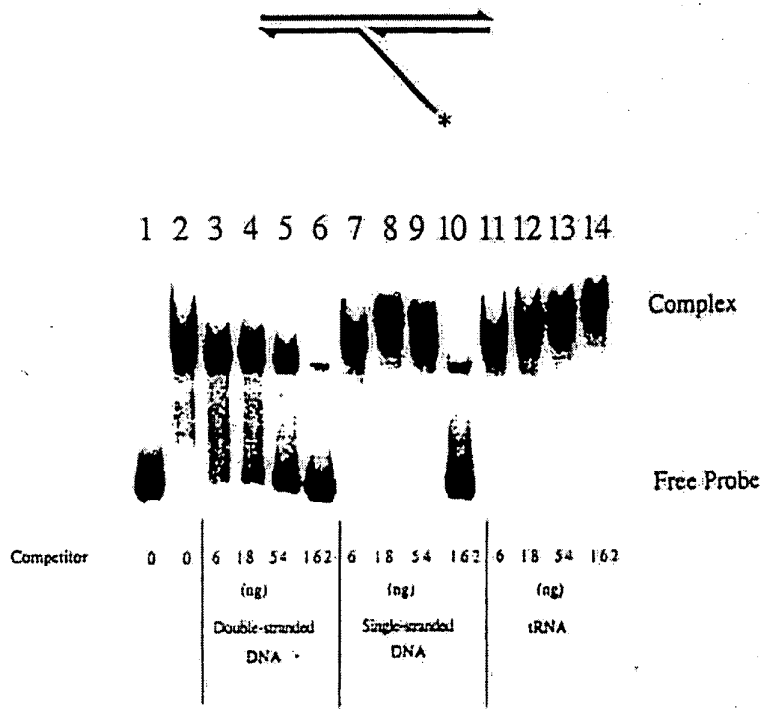
NEW FIG. 11


Fbr strand
5'
3'
GGCCGTATCTGGGTTCGAATTCATCAAGGGACATCTCCTAC
CGGCATAGACCCAAGCTTAAGTAGTTCCCTGTAGAGGATGT
3'
5'
5'-Flap strand
3' CTTTGTGTTC
ACCGTGGTACGTTGCTATCC 5'
Fadj strand
(3'-Flap strand)

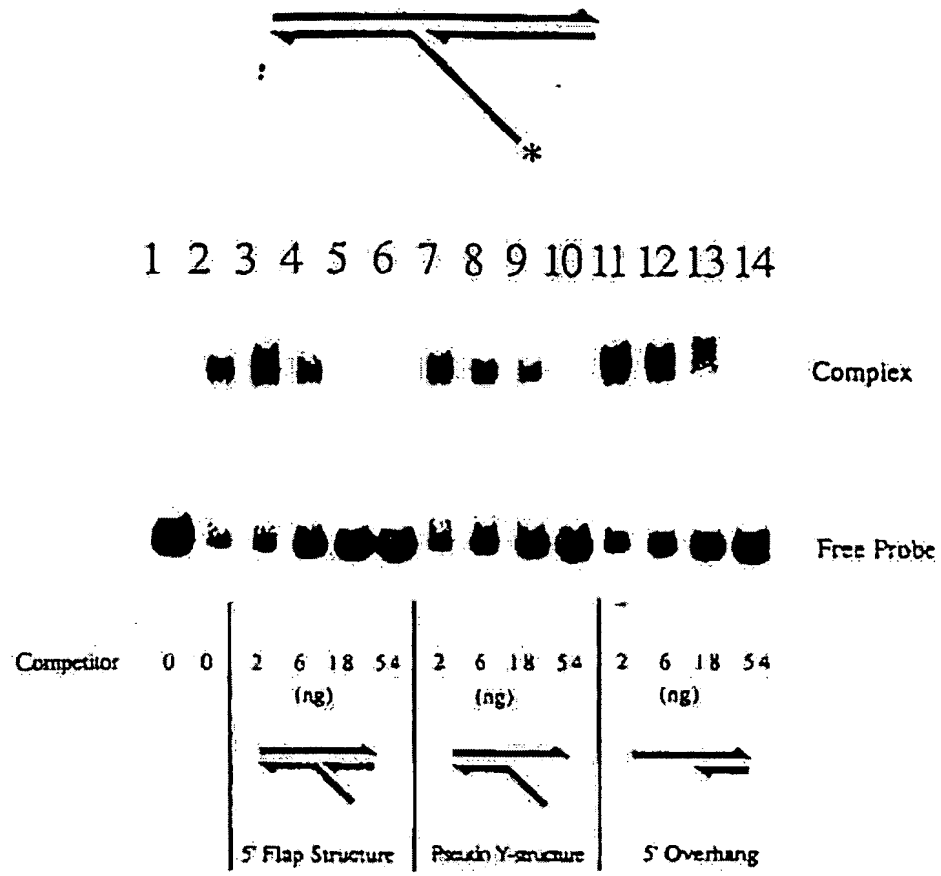
NEW FIG. 12



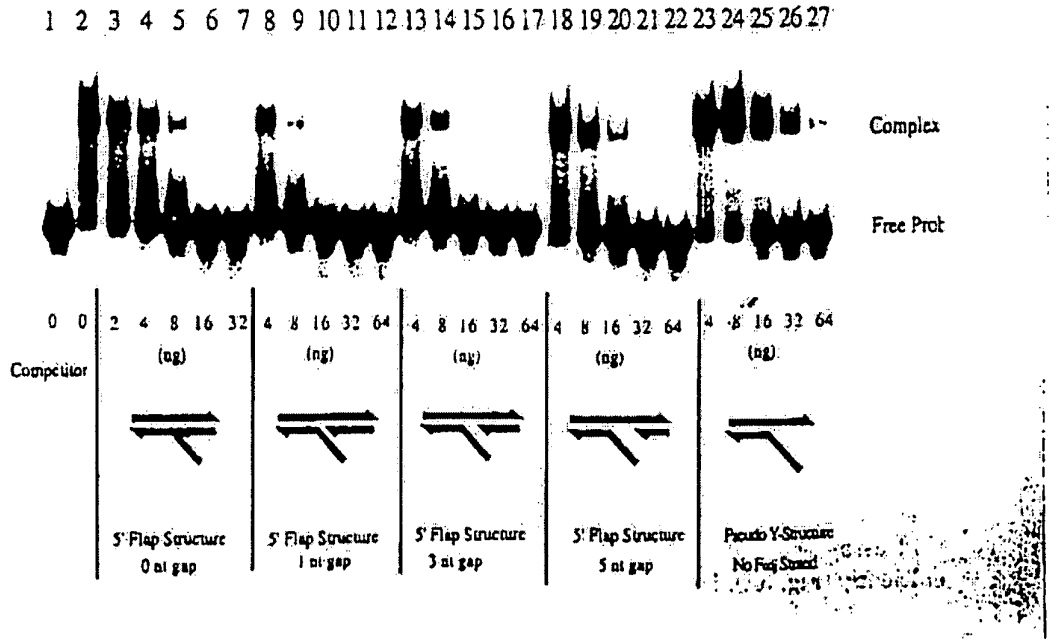
NEW FIG. 13


1 2 3 4 5 6 7 8 9 10 11 12 13 14
Complex
Free Probe
Competitor
0 0 6 18 54 162 6 18 54 162 6 18 54 162
(ng)
Double-stranded DNA
(ng)
Single-stranded DNA
(ng)
tRNA

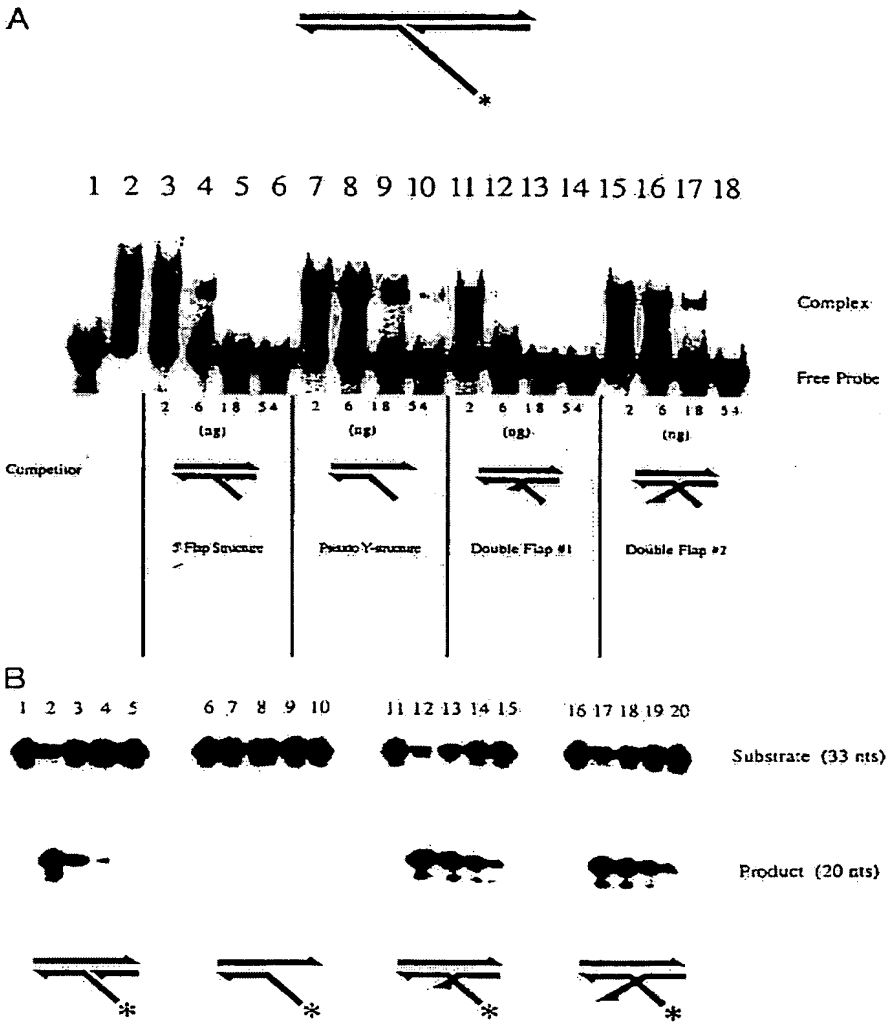
NEW FIG. 14



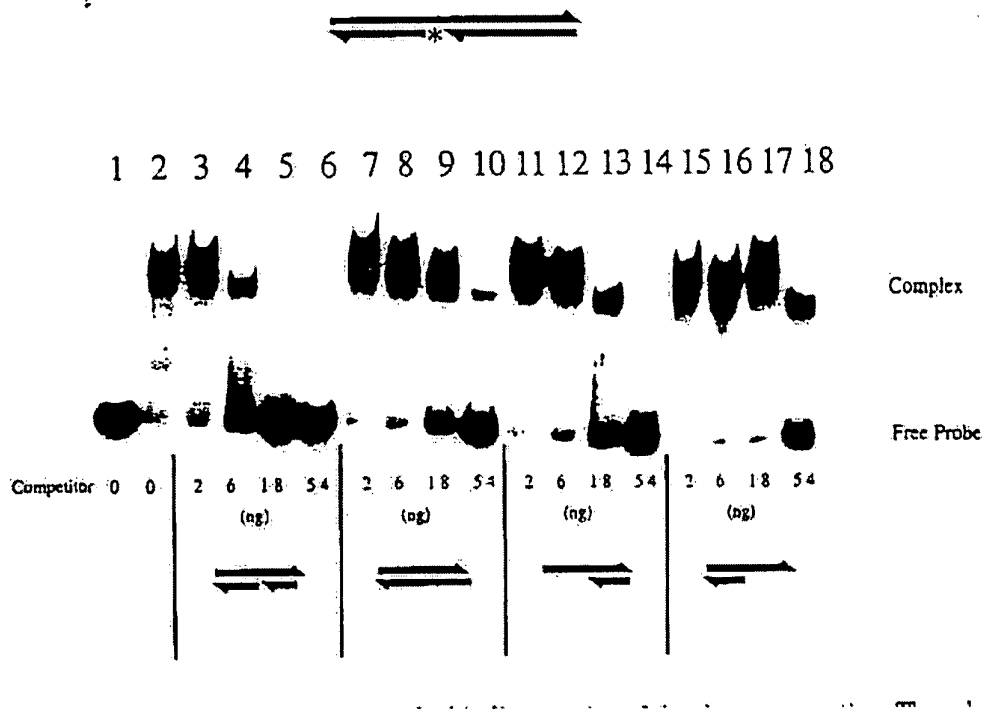
NEW FIG. 15


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27
Complex
Free Prot
0 0
Competitor
2 4 8 16 32
(ng)
4 8 16 32 64
(ng)
4 8 16 32 64
(ng)
4 8 16 32 64
(ng)
4 8 16 32 64
(ng)
5' Flap Structure
0 nt gap
5' Flap Structure
1 nt gap
5' Flap Structure
3 nt gap
5' Flap Structure
5 nt gap
Pseudo Y-Structure
No Free Strand

NEW FIG. 16


A
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
Complex
Free Probe
2 6 18 54
(ag)
(ng)
Competitor
5' Flap Structure
Pseudo Y-structure
Double Flap #1
Double Flap #2
B
1 2 3 4 5
6 7 8 9 10
11 12 13 14 15
16 17 18 19 20
Substrate (33 nts)
Product (20 nts)

NEW FIG. 17


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
Complex
Free Probe
Competitor 0 0 2 6 18 54 2 6 18 54 2 6 18 54 2 6 18 54
(ng) (ng) (ng) (ng)

NEW FIG. 18